



North Central Texas
Council of Governments



Dallas-Fort Worth
CLEAN CITIES

Funding Recommendations to Upgrade Existing EV Charging Stations

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North Central Texas Council of Governments

March Public Meeting

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Regional Investments in EV Infrastructure

Texas EV Infrastructure Plan

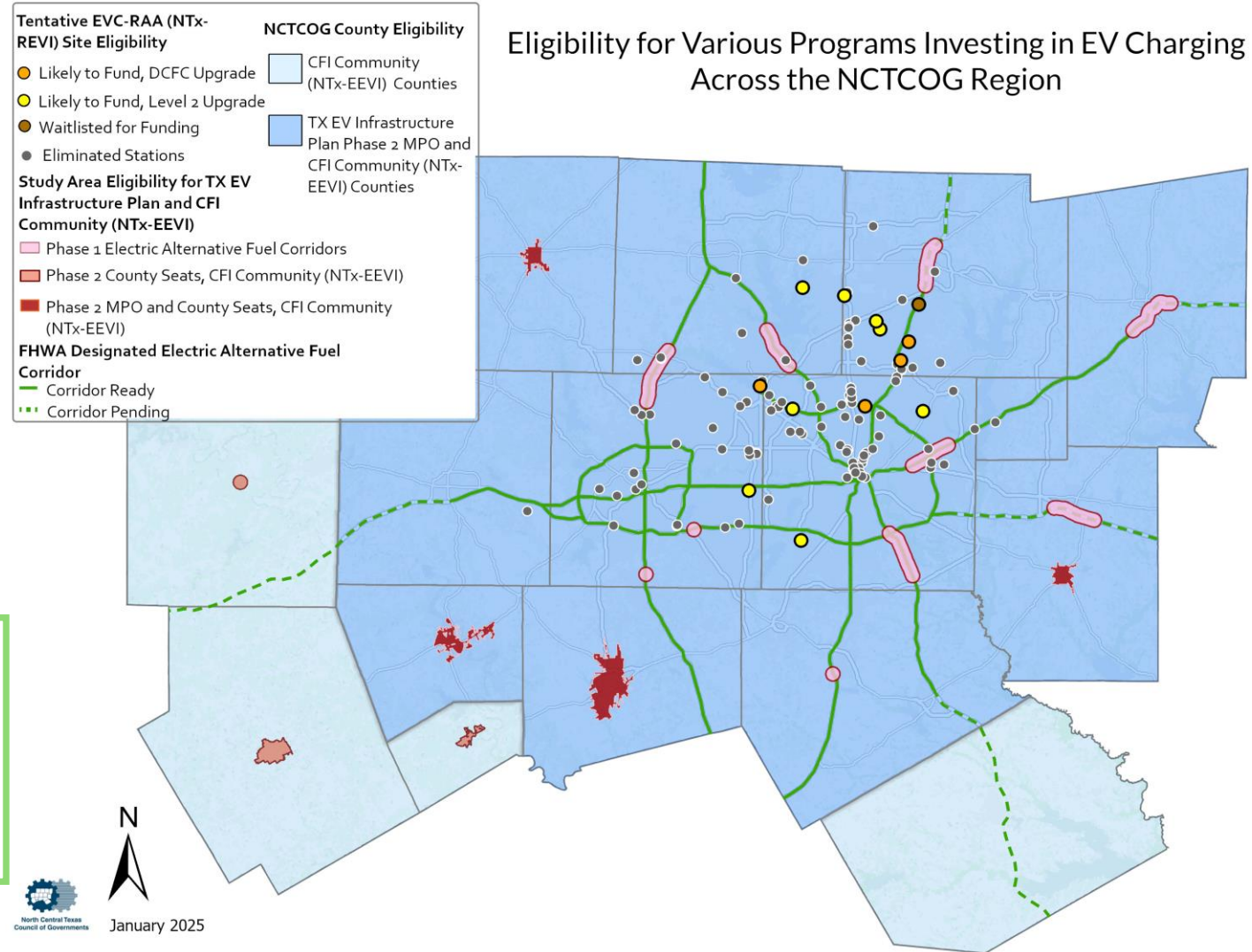
~\$60 million to build new chargers in the 12-County Metropolitan Planning Area and ~\$10M for 7 county seat sites (Managed by TxDOT)

North Texas Equitable Electric Vehicle Infrastructure Project (NTx-EEVI)

\$15M to build up to 100 new EV charging ports in the 16-county NCTCOG region

North Texas Reliable Electric Vehicle Infrastructure Project (NTx-REVI)

\$3.6 million award to repair and replace non-operational chargers in the DFW region



Electric Vehicle Charger Reliability and Accessibility Accelerator (RAA) Program

Goal is to increase reliability of electric vehicle (EV) charging stations by funding repair, replacement, or upgrade of existing sites that are not operational

Funding Source	Federal Highway Administration (FHWA) (set-aside from the National Electric Vehicle Infrastructure (NEVI) Formula Program)
Eligible Projects	EV chargers that are “broken” or “non-operational” Sites must be included on a list published by FHWA on October 11, 2023
Federal Share	Up to 80% total project cost, 20% match from private sector
Station Requirements	Sites must be upgraded to meet NEVI Standards related to number of charging ports, payment methods, pricing, interoperability, and communication protocols

Approved Application Approach

North Texas Reliable Electric Vehicle Infrastructure Project (NTx-REVI)

- Awarded \$3.66 million federal funding to repair or replace a subset of 138 eligible stations

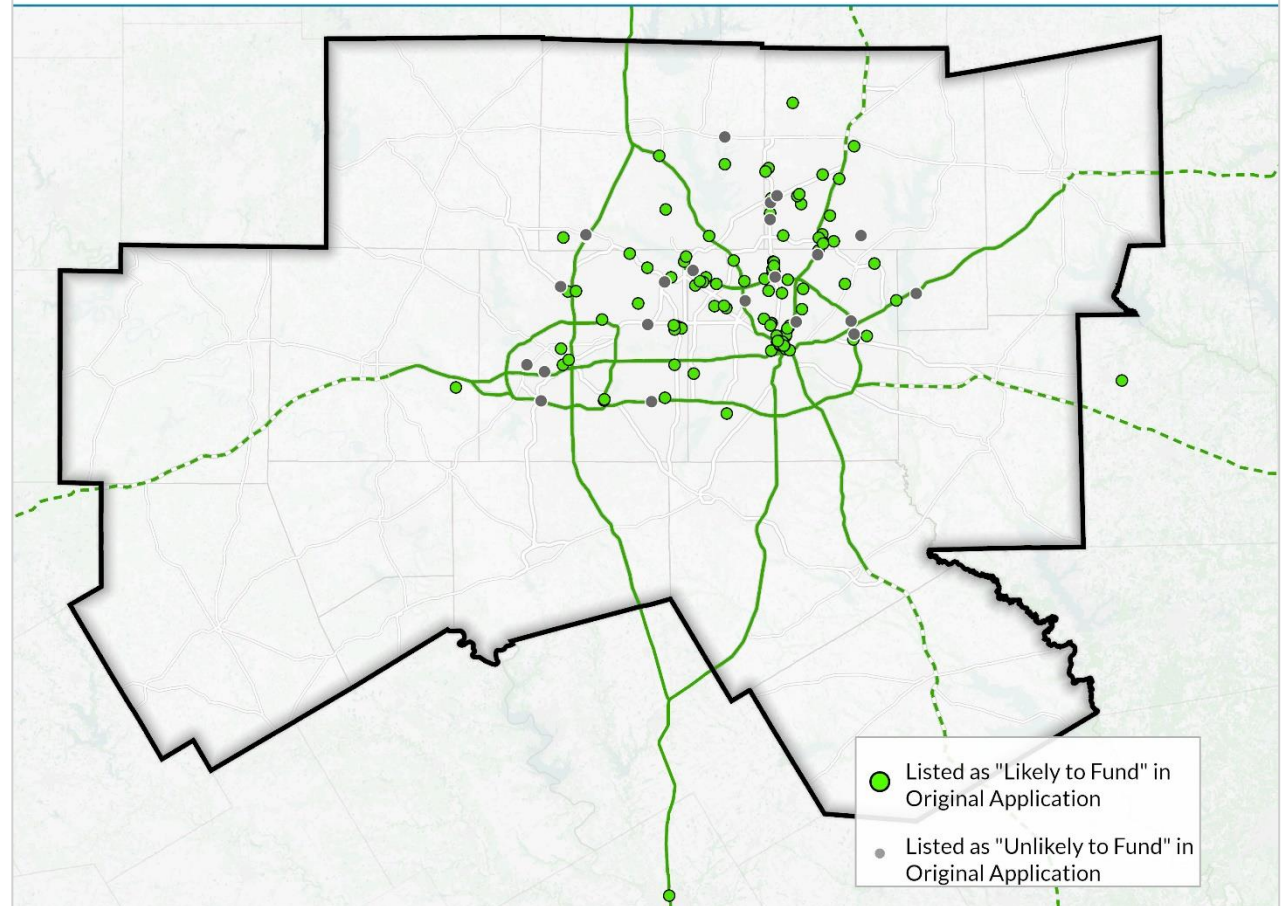
Coordinate with host cities, charging station networks, and site hosts to determine appropriate repair/upgrade needs

- Expect to replace a fraction of eligible stations based on site host interest and available funding

Criteria Proposed to RTC in November 2023

- Are not in proximity to existing charging stations
- Increase access in key areas such as multi-family properties, grocery stores, and retail locations
- Connect the region to other areas
- Provide 20% cost share
- Streamline NCTCOG administrative burden

Eligible Stations from List Provided by FHWA



Site Selection Methodology

- 1. Screened based on program eligibility criteria (defined by FHWA)**
 - Site must be publicly accessible
 - Site must be in a free parking lot
 - Station cannot be already replaced with NEVI compliant equipment
 - **64 of 138 initial sites passed this screen**
- 2. Screened based on site owner program interest and willingness to provide cost share**
 - **12 of the remaining 65 sites passed this screen**
- 3. Ranked based on criteria presented at proposal stage**
 - Ability to Connect the Regional Charging Network *(25 points)*
 - Proximity to Existing or Known Planned EV Charging Stations *(25 points)*
 - Ability to Increase Access in Identified Key Areas *(25 points)*
 - Ability to Streamline NCTCOG Administrative Burden *(25 points)*

Scope of Work

Program allows repair, replacement, or upgrade

- Stations within 1 mile of Alternative Fuel Corridor can be upgraded to a DC Fast Charger (DCFC)
- Remaining sites must maintain current charger type

Staff recommends full replacement of all sites, due to the following factors:

- Existing equipment does not comply with NEVI standards, such as:
 - Lacks the required connector amounts, power level, communication protocols, minimum uptime, etc.
- Replacement triggers a new warranty on the equipment, which will assist with enforcing uptime requirements
- Older stations not modular and thus not easily repaired

Funding Recommendations

Charging Station Owner	Location	City	Property Type	Current Charger Type	Score	Est. Federal \$ to Upgrade Charger	Eligible for DC Fast Charge Upgrade?	Est. Additional Federal \$ to Upgrade to DCFC**
EV Network	City of Plano Downtown Parking Lot*	Plano	Public Sector	Level 2	84	\$22,970	Yes	N/A
EV Network	City of Plano Oak Point Rec Center*	Plano	Public Sector	Level 2	79	\$22,970	Yes	\$720,488
EV Network	Grapevine Mills Mall	Grapevine	Retail	DCFC	77	\$1,114,568	N/A	--
EV Network	NCTCOG Offices	Arlington	Office	Level 2	66	\$22,970	Yes	\$720,488
Site Host	Dallas County Government Building	Dallas	Public Sector	Level 2	65	\$70,000	Yes	\$288,638 Waitlisted: \$361,317
Site Host	Duncanville Shopping Center	Duncanville	Retail	Level 2	62	\$60,000	No	N/A
EV Network	City of Plano Russell Creek Park	Plano	Public Sector	Level 2	60	\$22,970	No	N/A
EV Network	City of Plano Maribelle Davis Library	Plano	Public Sector	Level 2	58	\$22,970	No	N/A
Site Host	Dallas County Government Building	Garland	Public Sector	Level 2	58	\$70,000	No	N/A
Site Host	Cinemark Frisco	Frisco	Retail	Level 2	55	\$60,000	No	N/A
EV Network	Boston Pizza Restaurant	Irving	Retail	Level 2	48	\$22,970	Yes	Waitlisted: \$720,488
Site Host	Whole Foods Grocery Store	Fairview	Retail	Level 2	47	\$70,000	Yes	Waitlisted: \$650,000
Total Federal Funding Awarded:						\$1,559,418		\$1,729,614
Total Federal Funding Remaining:						\$1,800,582		\$0

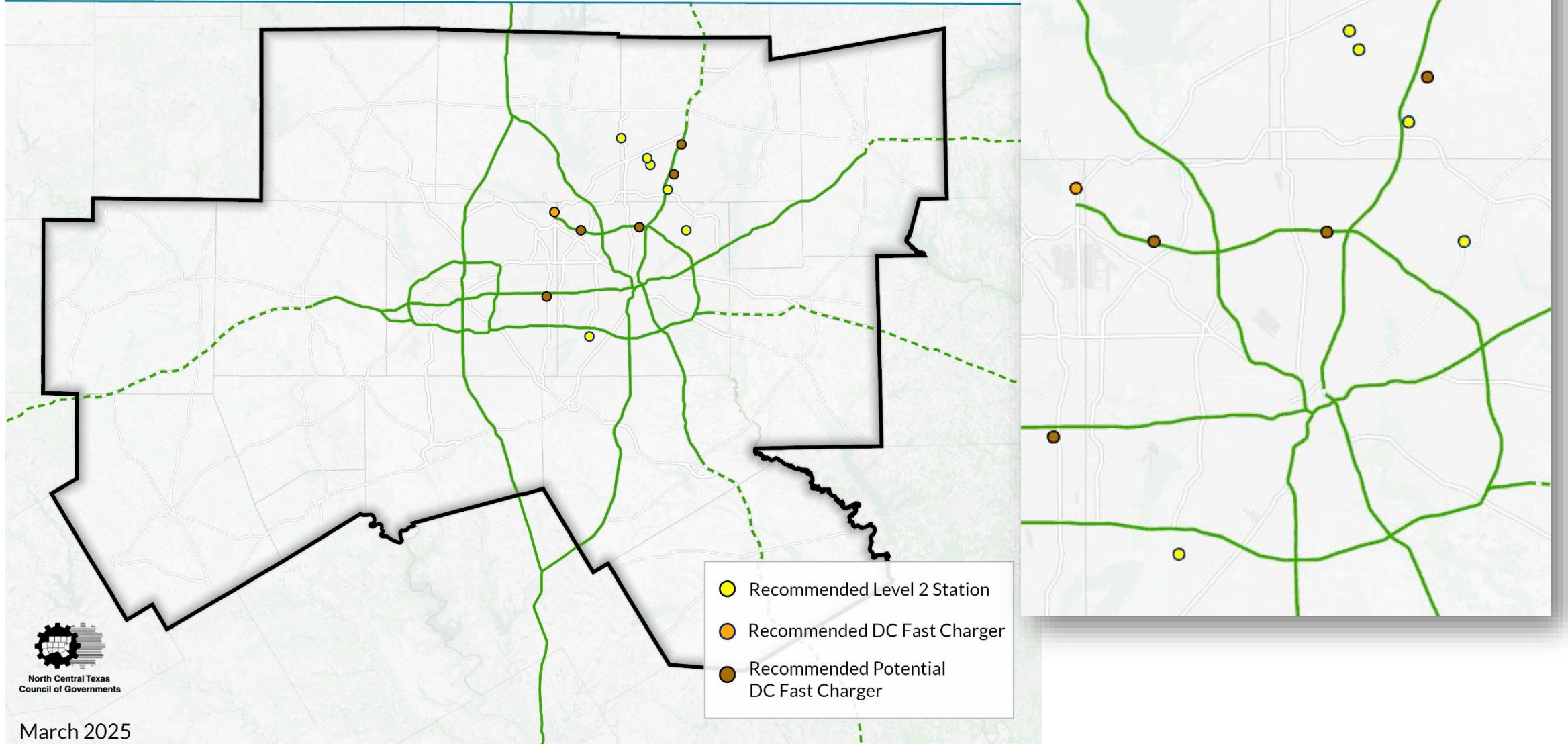
*To equitably invest across the region, only 1 DC Fast Charge Upgrade allocated to City of Plano; site selection based on city preference

**If/as funding released from awarded projects, and subject to interest from the charging station owner and agreement from host property, funds will be added to wait-listed recommendations, up to the amount shown



Recommended Project Locations

Remaining Stations after Screening



March 2025



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For More Information



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